

BALIKESIR UNIVERSITY
BALIKESIR VOCATIONAL SCHOOL
ELECTRIC AND ENERGY DEPARTMENT
AIR CONDITIONING AND REFRIGERATION TECHNOLOGY PROGRAM
2025-2026 ACADEMIC YEAR CURRICULUM

1st YEAR 1st SEMESTER								1st YEAR 2nd SEMESTER							
COURSE CODE	COURSE	Category	I	A	L	C	ECTS	COURSE CODE	COURSE	Category	I	A	L	C	ECTS
ISO1107	Vocational Math-I	V	3	1		3,5	4	ISO1210	Vocational Math-II	V	3	1		3,5	3
ISO1108	Air Conditioning and Refrigeration Technology	V	2	1		2,5	3	ISO1211	Basic Electricity	V	3	1		3,5	3
ISO1109	Welding Technology	V	3	1		3,5	3	ISO1212	Residential Air Conditioning	V	3	1		3,5	3
ISO1110	Technical Drawing	V	2	1		2,5	3	ISO1213	Plumbing Process	V	3	1		3,5	3
ISO1111	Information and Communication Technology	V	2	1		2,5	3	ISO1214	Communications	V	2	0		2	2
ISO1112	First Aids	V	1	1		1,5	2	ISO1215	Research Method and Technics	V	2	0		2	2
ISO1113	Occupational Health And Safety	V	2	0		2	2	KRY1201	Career Planning	C	1	0		1	2
TOTAL			15	6		18	20	ISO1216	Environment Protection	V	2	0		2	2
								STJ1203	Internship	C	0	0		0	8
			TOTAL								19	4		21	28
AIT1101	Atatürk Principles and Revolution History-I	C	2	0		2	2	AIT1201	Atatürk Principles and Revolution History-II	C	2	0		2	2
TDI1101	Turkish Language-I	C	2	0		2	2	TDI1201	Turkish Language-II	C	2	0		2	2
YDI1101	Foreign Language (English)-I	C	2	0		2	2	YDI1201	Foreign Language (English)-II	C	2	0		2	2
GENERAL TOTAL			21	6		24	26	GENERAL TOTAL			25	4		27	34

2nd YEAR 1st SEMESTER								2nd YEAR 2nd SEMESTER							
COURSE CODE	COURSE	Category	I	A	L	C	ECTS	COURSE CODE	COURSE	Category	I	A	L	C	ECTS
ISO2118	Electromechanical Control Diagrams	V	2	1		2,5	3	ISO2210	Preventive Maintenance and Troubleshooting	V	2	1		2,5	3
ISO2109	Central Air Conditioning	V	2	1		2,5	3	ISO2211	Heating Systems	V	2	1		2,5	3
ISO2110	Commercial Refrigeration	V	2	1		2,5	3	ISO2212	Ventilation Systems	V	2	1		2,5	3
ISO2111	Programmable Logic Controllers	V	2	1		2,5	3	ISO2220	Refrigeration System Design	V	2	1		2,5	3
ISO2119	Labaratory-I	V	2	1		2,5	3	ISO2221	Labaratory-II	V	2	1		2,5	2
	ELECTIVE COURSES-1	O	1	1		1,5	4		ELECTIVE COURSES-1	O	1	1		1,5	4
	ELECTIVE COURSES-2	O	2	0		2	4		ELECTIVE COURSES-2	O	2	0		2	4
	ELECTIVE COURSES-3	O	2	0		2	4		ELECTIVE COURSES-3	O	2	0		2	4
	ELECTIVE COURSES-4	O	2	0		2	4		ELECTIVE COURSES-4	O	2	0		2	4
TOTAL CREDİTS			17	6		20	30	TOTAL CREDİTS			17	6		20	30

2nd YEAR 1st SEMESTER ELECTIVE COURSES								2nd YEAR 2nd SEMESTER ELECTIVE COURSES							
ISO2112	Computer Aided Drawing-I	O	1	1		1,5	4	ISO2213	Computer Aided Drawing-II	O	1	1		1,5	4
ISO2113	Vocational Foreign Language-I	O	2	0		2	4	ISO2214	Natural Gas Technology	O	2	0		2	4
ISO2114	Company Management-I	O	2	0		2	4	ISO2215	Vocational Foreign Language-II	O	2	0		2	4
ISO2115	Quality Management Systems	O	2	0		2	4	ISO2216	Company Management-II	O	2	0		2	4
ISO2116	Transport Air Conditioning	O	2	0		2	4	ISO2217	Quality Guarantee and Standarts	O	2	0		2	4
ISO2117	Energy Management	O	2	0		2	4	ISO2218	Vocational Ethics	O	2	0		2	4
ISO2120	Installation Technology	O	1	1		1,5	4	ISO2219	Indoor Air Quality	O	1	1		1,5	4
ISO2121	System Anilizi and Design-I	O	2	0		2	4	ISO2222	Solar Energy	O	2	0		2	4
								ISO2223	System Anilizi and Design-II	O	2	0		2	4

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